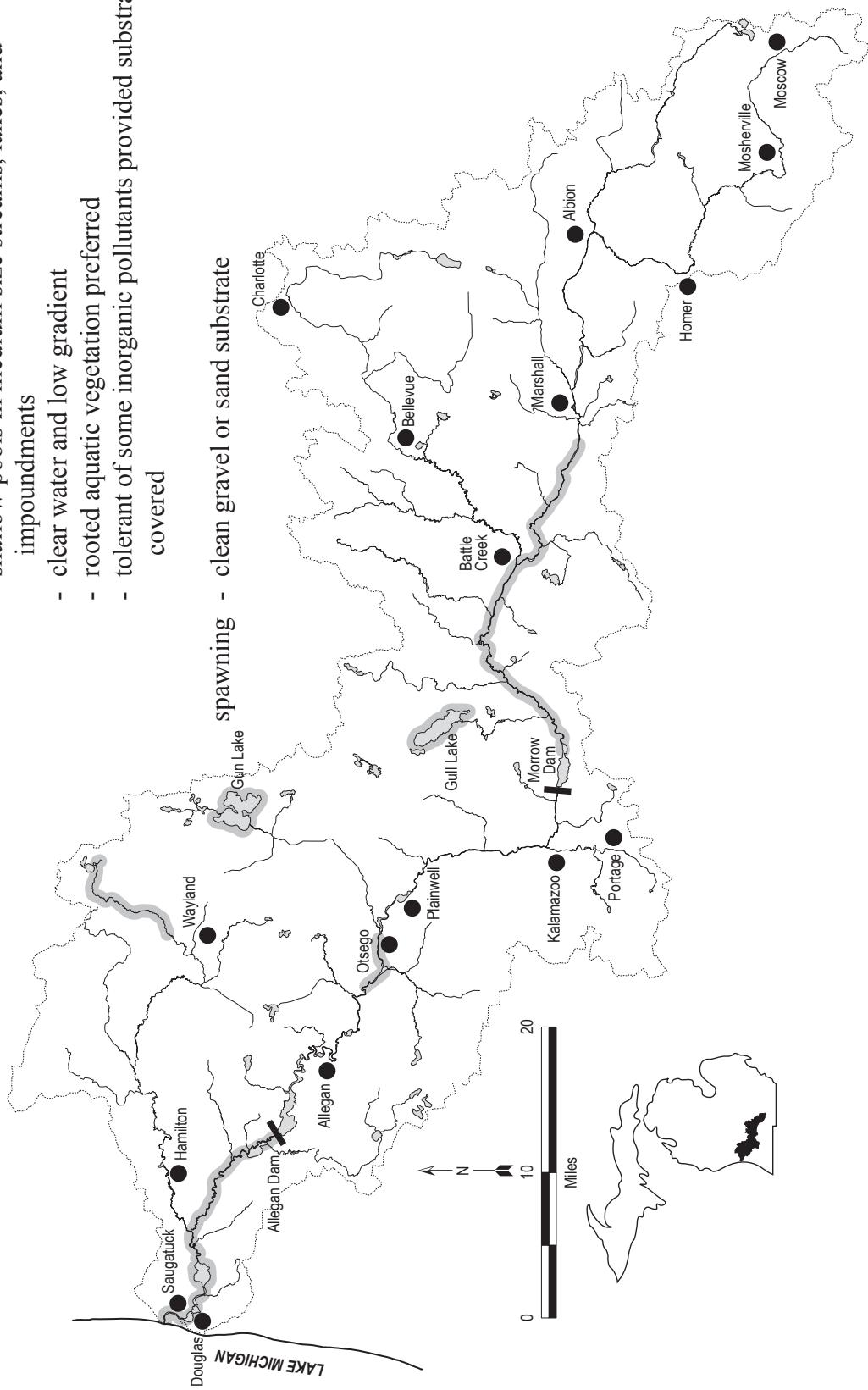


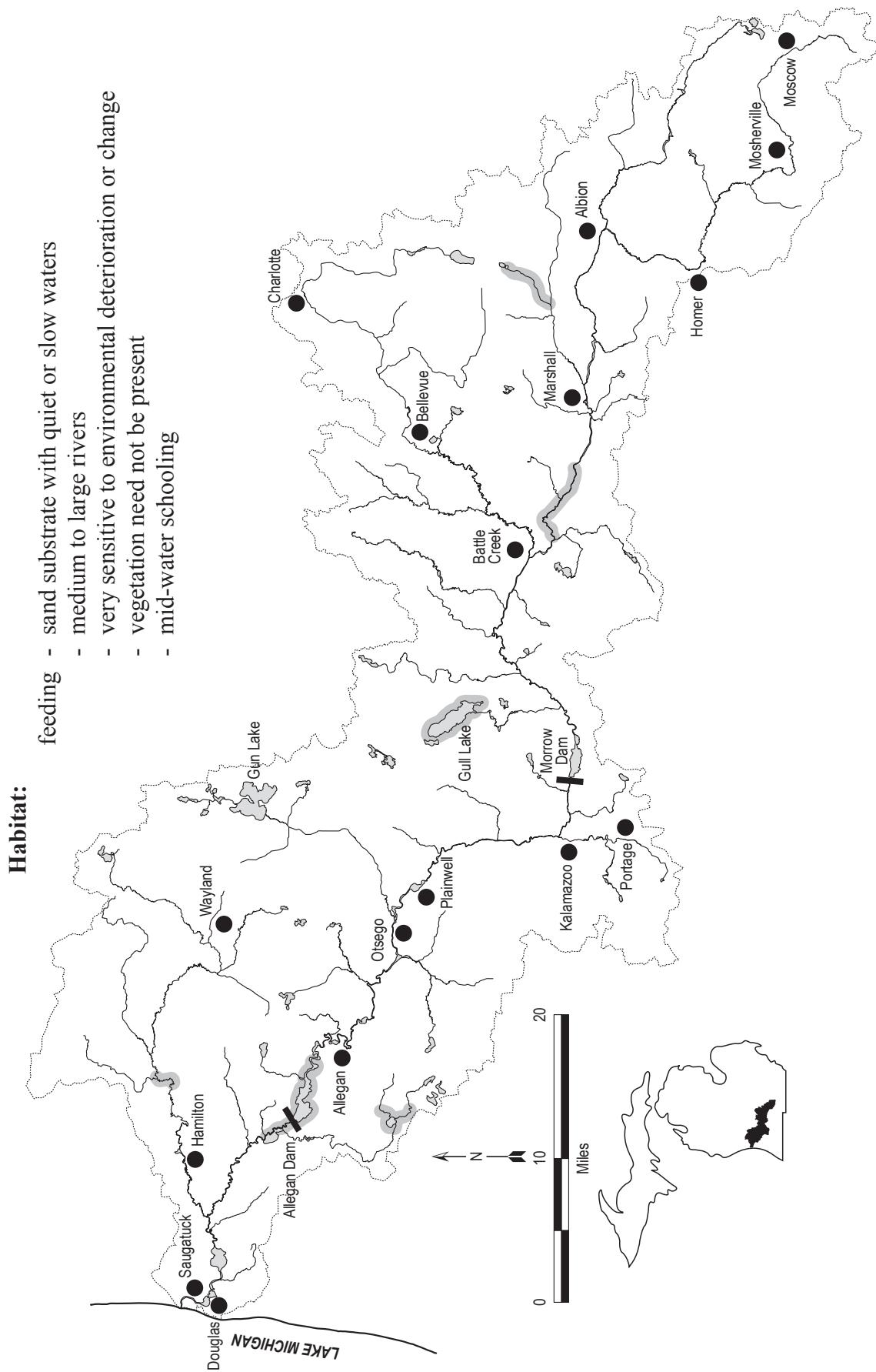
Sand shiner (*Notropis stramineus*)

Habitat:

- feeding - sand and gravel substrate
 - shallow pools in medium size streams, lakes, and impoundments
 - clear water and low gradient
 - rooted aquatic vegetation preferred
 - tolerant of some inorganic pollutants provided substrate is not covered
- spawning - clean gravel or sand substrate



Weed shiner (*Notropis texanus*) - extirpated



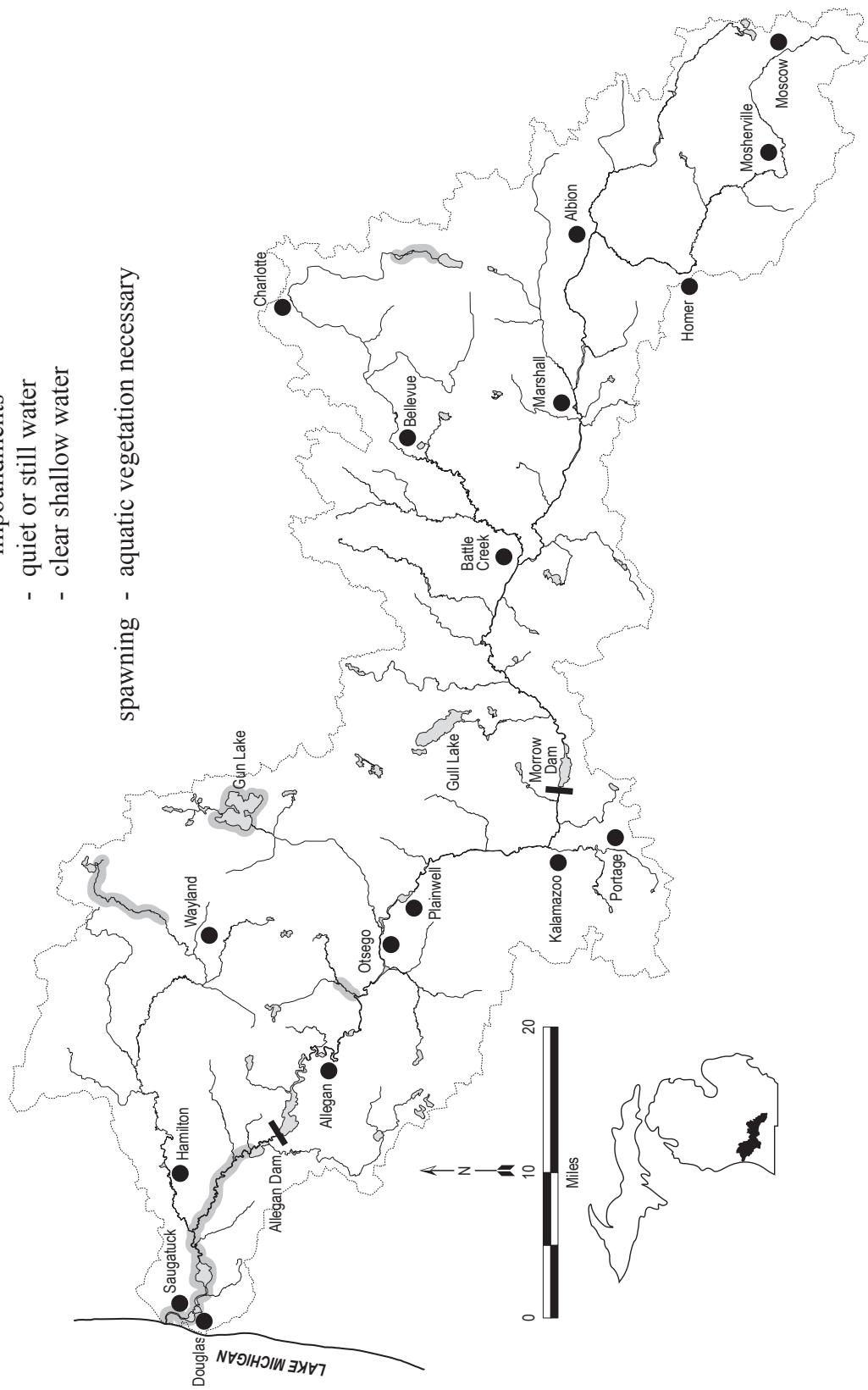
Mimic shiner (*Notropis volucellus*)

Habitat:

feeding - pools and backwater of streams, moderately weedy lakes and
in ponds.

- quiet or still water
 - clear shallow water

spawning - aquatic vegetation necessary

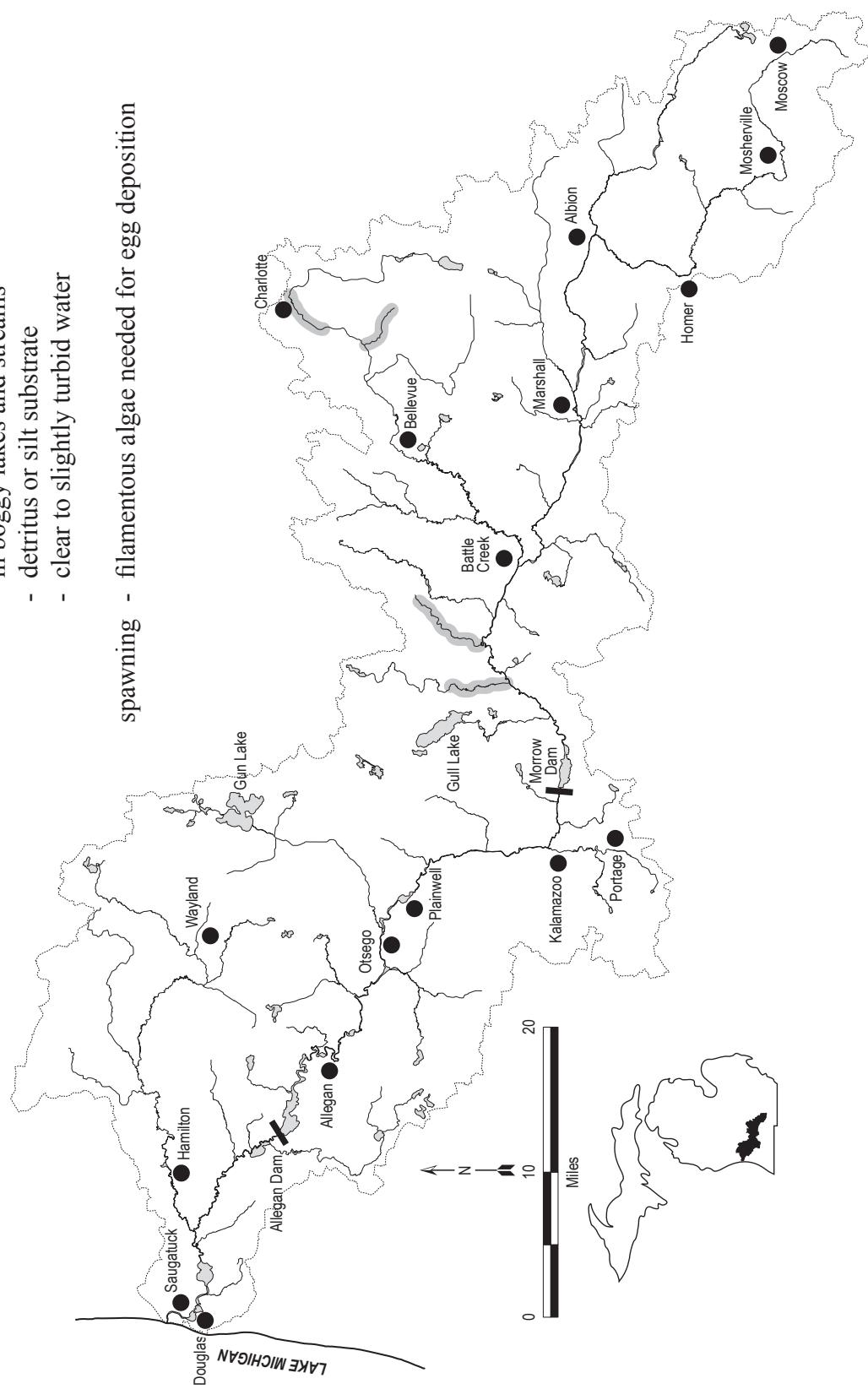


Northern redbelly dace (*Phoxinus eos*)

Habitat:

- feeding - slow current
 - in boggy lakes and streams
 - detritus or silt substrate
 - clear to slightly turbid water

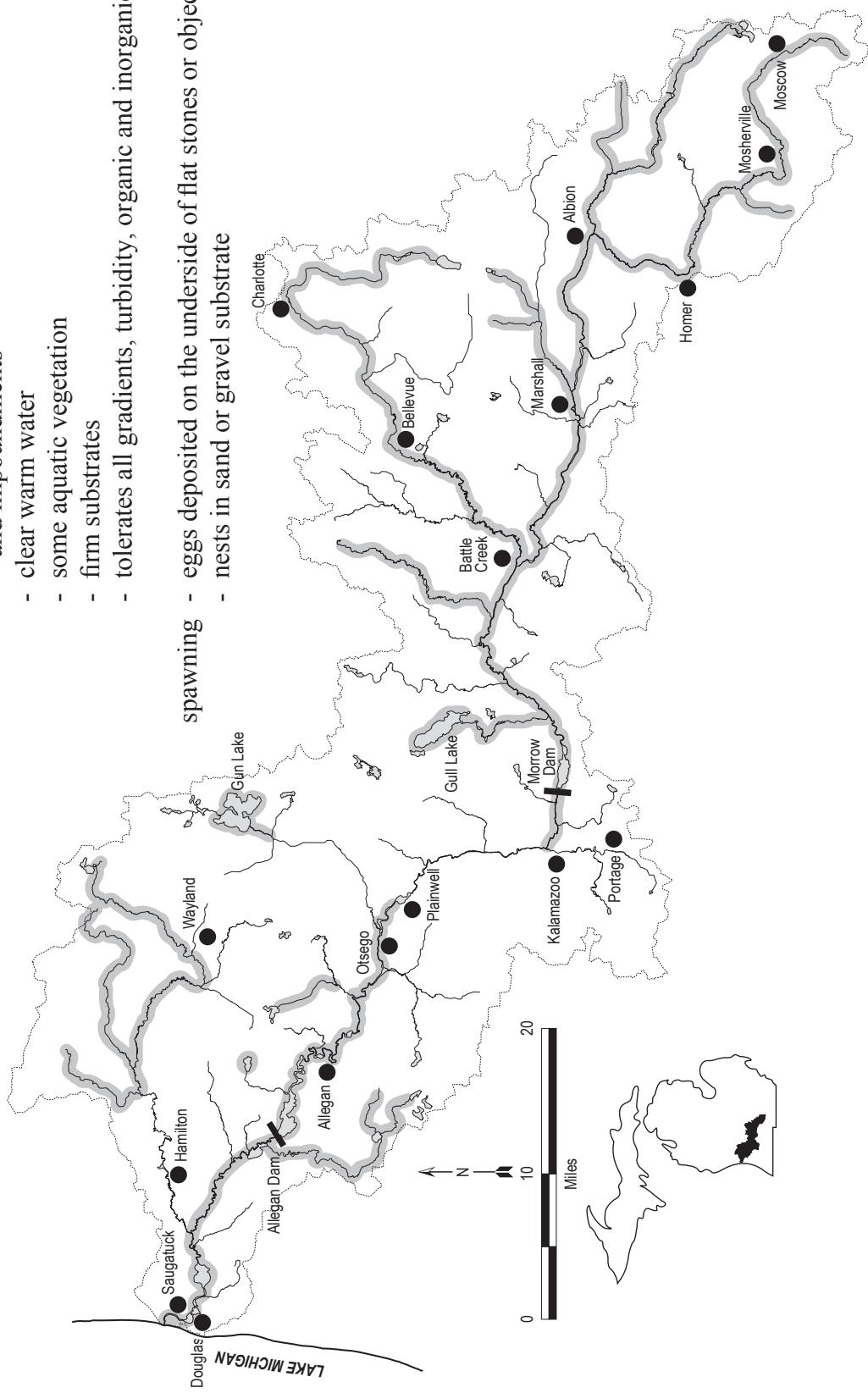
spawning - filamentous algae needed for egg deposition



Bluntnose minnow (*Pimephales notatus*)

- Habitat:**
- feeding - quiet pools and backwaters of medium to large streams, lakes,
 - and impoundments
 - clear warm water
 - some aquatic vegetation
 - firm substrates
 - tolerates all gradients, turbidity, organic and inorganic pollutants

 - spawning - eggs deposited on the underside of flat stones or objects
 - nests in sand or gravel substrate

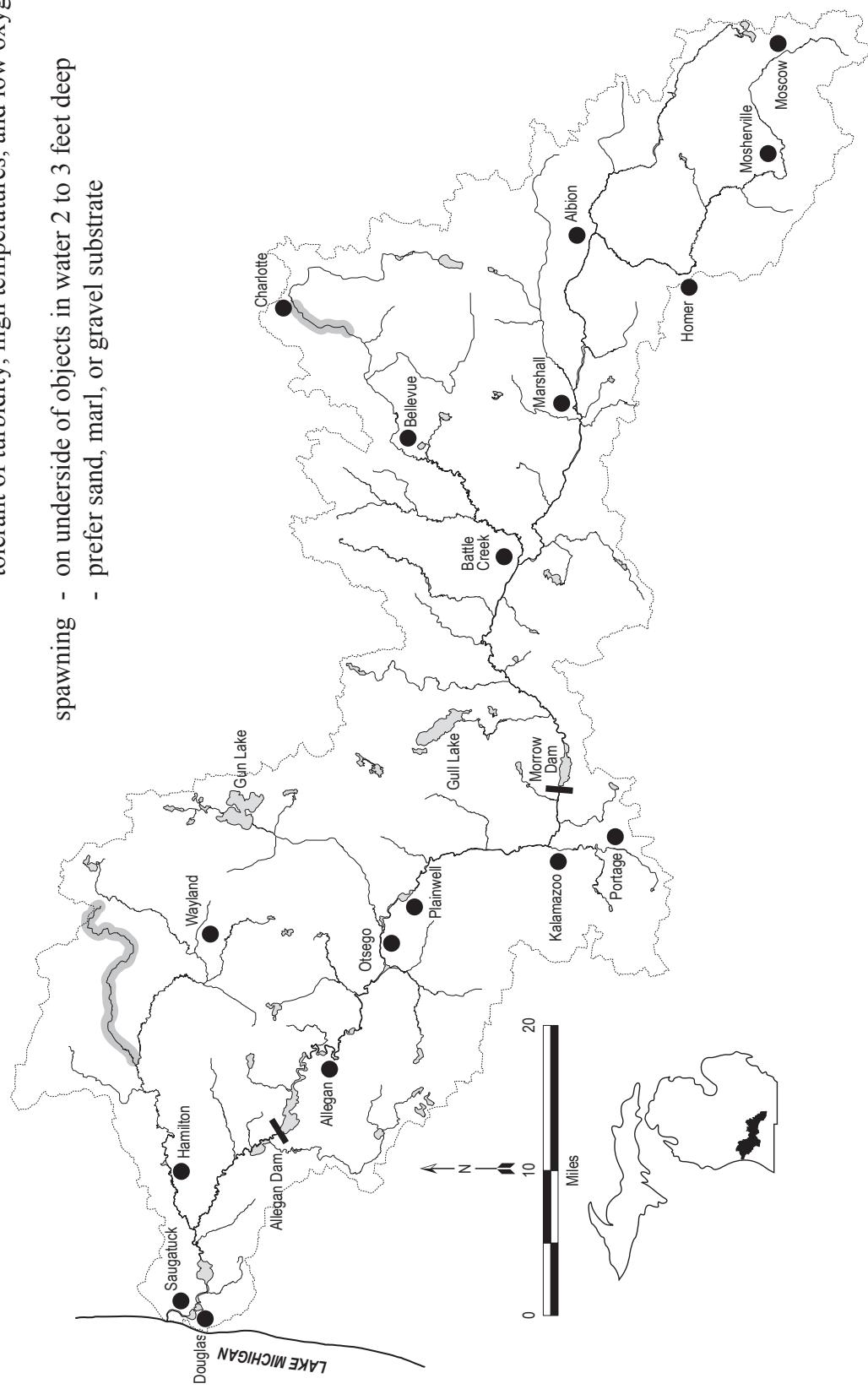


Fathead minnow (*Pimephales promelas*)

Habitat:

- feeding - pools of small streams, lakes, and impoundments
- tolerant of turbidity, high temperatures, and low oxygen

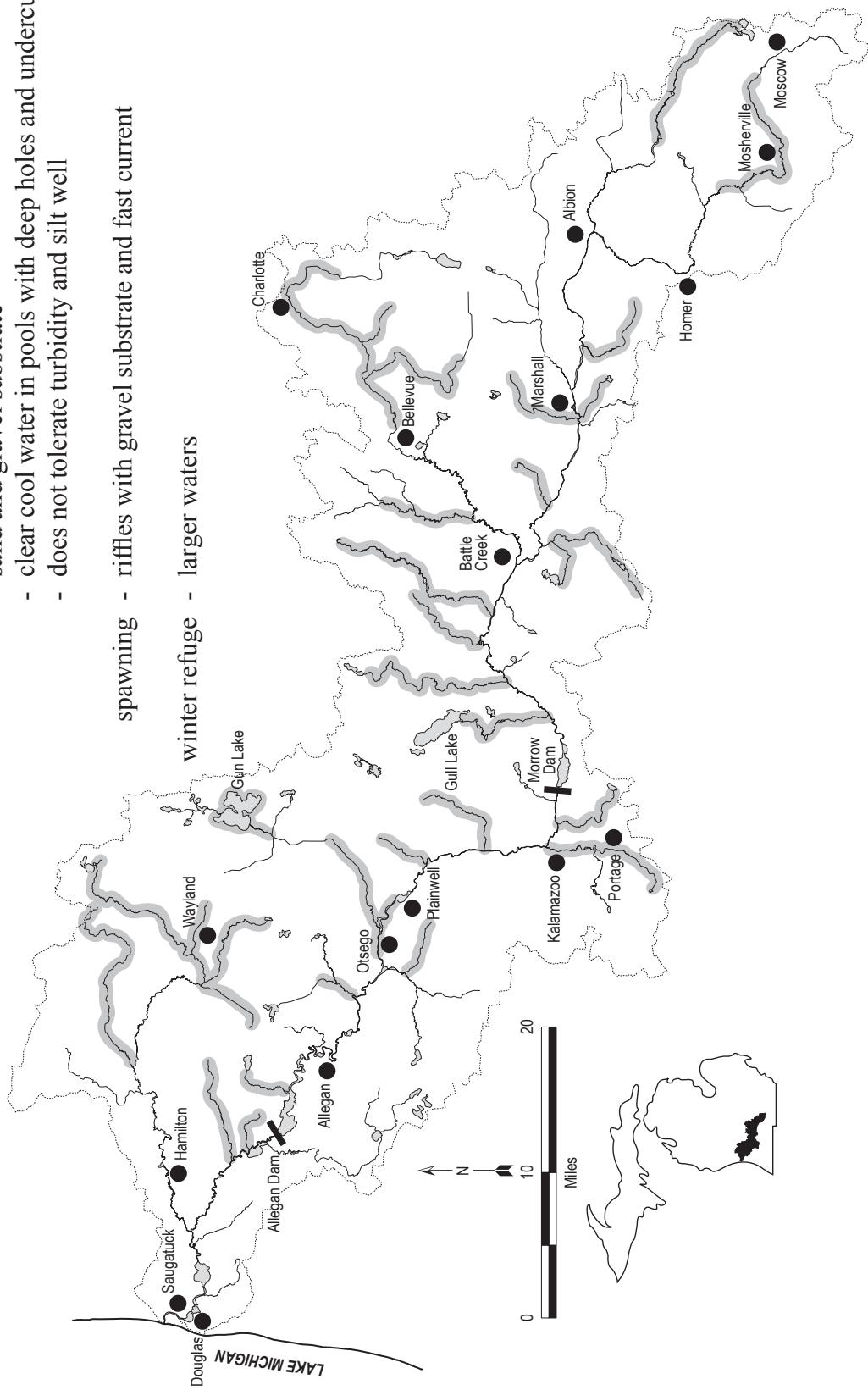
- spawning - on underside of objects in water 2 to 3 feet deep
- prefer sand, marl, or gravel substrate



Western blacknose dace (*Rhinichthys obtusus*)

Habitat:

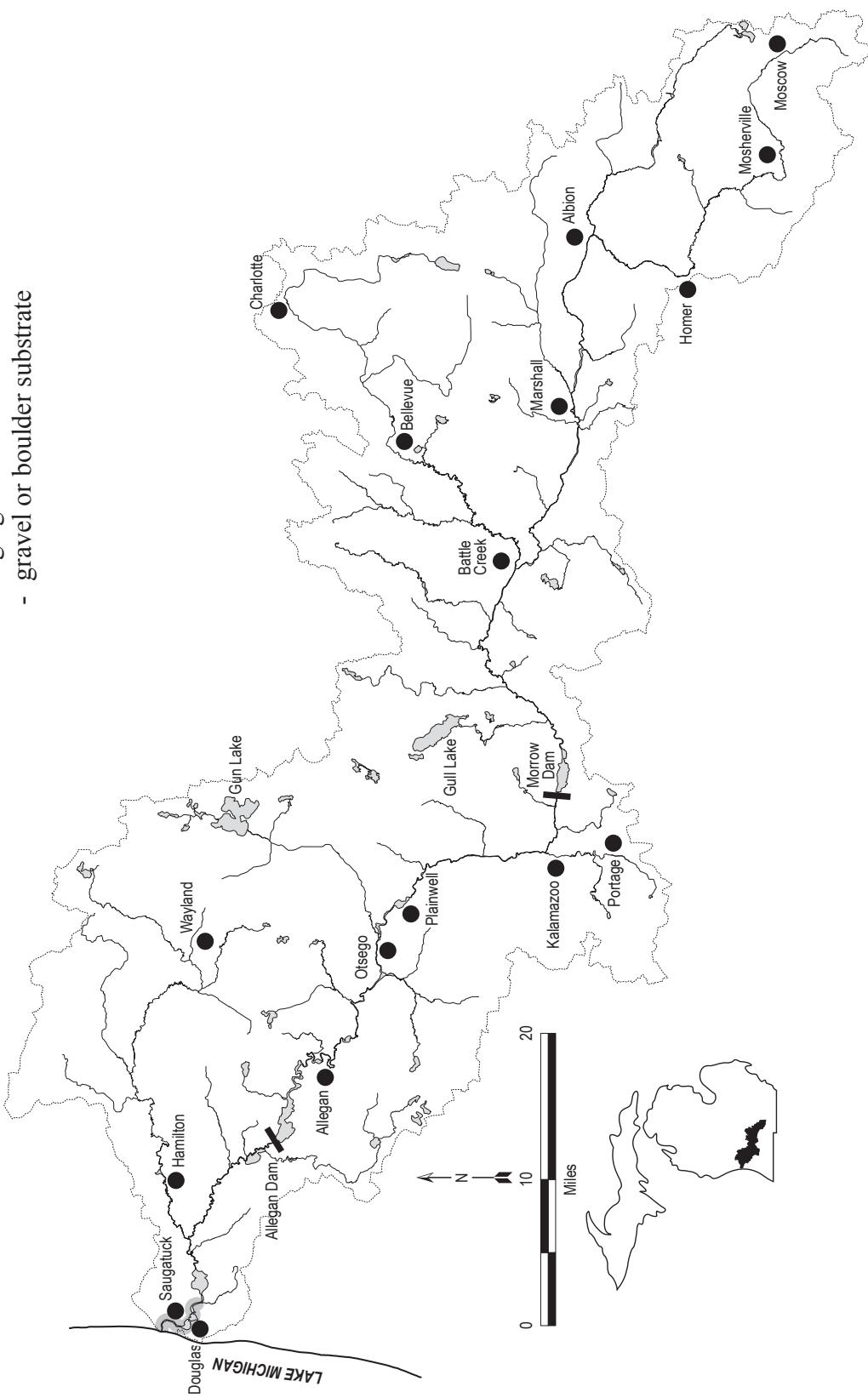
- feeding - moderate to high gradient streams
 - sand and gravel substrate
 - clear cool water in pools with deep holes and undercut banks
 - does not tolerate turbidity and silt well
-
- spawning - riffles with gravel substrate and fast current
 - winter refuge - larger waters



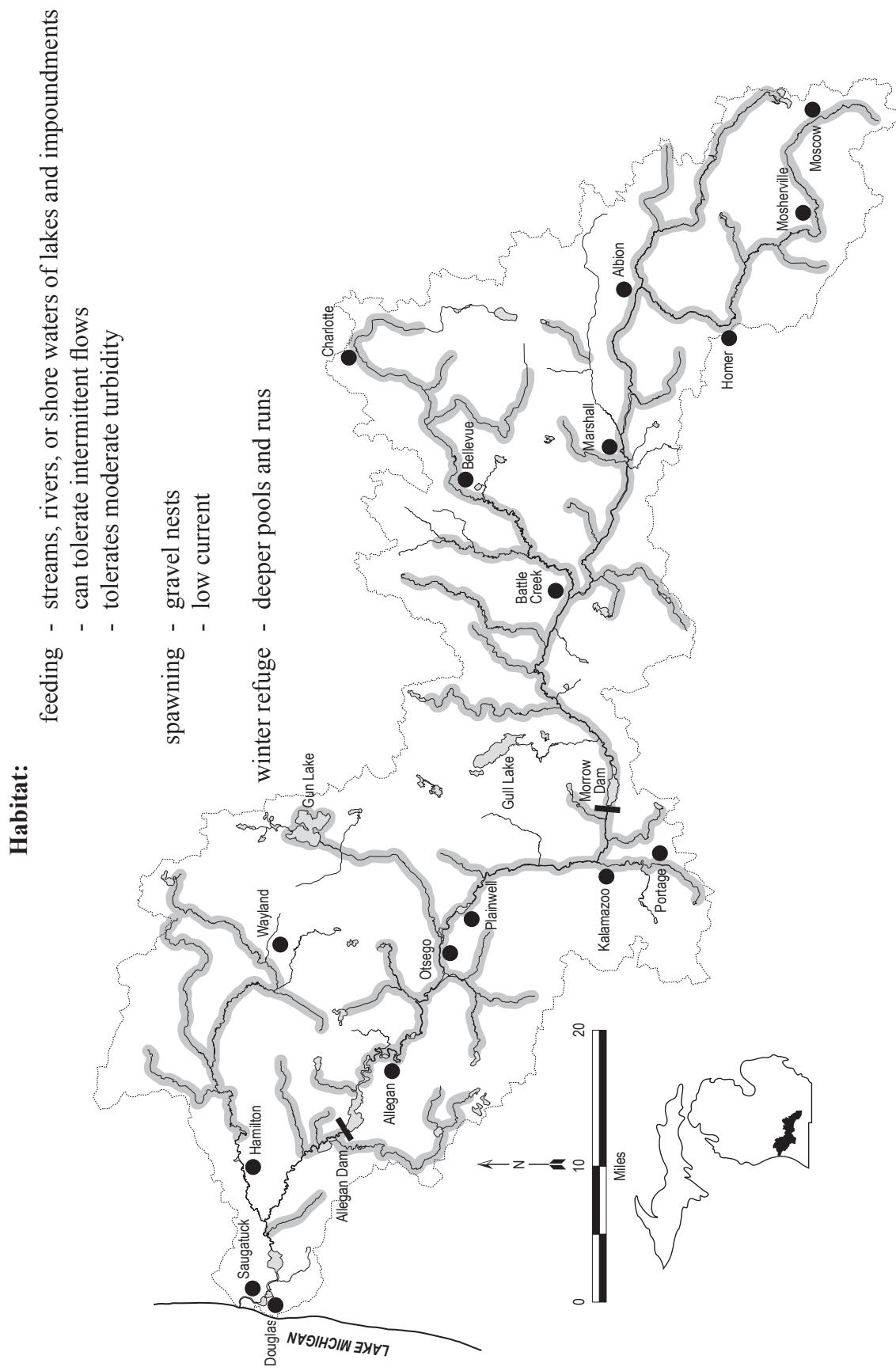
Longnose dace (*Rhinichthys cataractae*)

Habitat:

- feeding - lakes and streams
- high gradient
- gravel or boulder substrate



Creek chub (*Semotilus atromaculatus*)



Quillback (*Carpiodes cyprinus*)

Habitat:

- feeding - clear to turbid water
 - Lake Michigan
 - sand, sandy gravel, sandy silt, or clay-silt substrate
 - medium- to low-gradient rivers and streams; also lakes and sloughs

- spawning - streams or overflow areas of bends of rivers or bays of lakes
 - scatter eggs over sand or mud substrate

